

2823

Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	09/832,160
Filing Date	April 9, 2001
First Named Inventor	Akram et al.
Group Art Unit	2823
Examiner Name	D. Graybill
Attorney Docket Number	2269-3846.2US (98-0796.2)

## ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Postcard receipt acknowledgment (attached to the front of this transmittal)	<input type="checkbox"/> Information Disclosure Statement, PTO/SB/08A (08-00); <input type="checkbox"/> copy of cited references	<input type="checkbox"/> Terminal Disclaimer
<input checked="" type="checkbox"/> Duplicate copy of this transmittal sheet in the event that additional filing fees are required under 37 C.F.R. § 1.16	<input type="checkbox"/> Supplemental Information Disclosure Statement; PTO/SB/08A (08-00); copy of cited references and Check No. in the amount of \$180.00	<input type="checkbox"/> Terminal Disclaimer
<input type="checkbox"/> Preliminary Amendment	<input type="checkbox"/> Associate Power of Attorney	<input type="checkbox"/> Terminal Disclaimer
<input checked="" type="checkbox"/> Response to Election of Species Requirement dated January 14, 2003 and the Office Communication dated May 20, 2003.	<input type="checkbox"/> Petition for Extension of Time and Check No. in the amount of \$	
<input type="checkbox"/> Amendment in response to office action dated	<input type="checkbox"/> Petition	
<input type="checkbox"/> Amendment under 37 C.F.R. § 1.116 in response to final office action dated	<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Additional claims fee - Check No. in the amount of \$	<input type="checkbox"/> Certified Copy of Priority Document(s)	
<input type="checkbox"/> Letter to Chief Draftsman and copy of FIGS. with changes made in red	<input type="checkbox"/> Assignment Papers (for an Application)	
<input type="checkbox"/> Transmittal of Formal Drawings	Remarks	
<input type="checkbox"/> Formal Drawings ( sheets)	The Commissioner is authorized to charge any additional fees required but not submitted with any document or request requiring fee payment under 37 C.F.R. §§ 1.16 and 1.17 to Deposit Account 20-1469 during pendency of this application.	

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

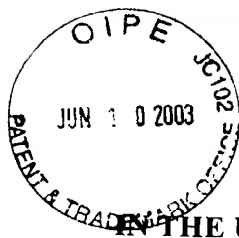
Firm or Individual name	Brick G. Power	Registration No. 38,581
Signature		
Date	June 5, 2003	

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Doidra Pfeil		
Signature		Date	June 5, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Akram et al.

**Serial No.:** 09/832,160

**Filed:** April 9, 2001

**For:** WAFER-LEVEL PACKAGE AND  
METHODS OF FABRICATING

**Examiner:** D. Graybill

**Group Art Unit:** 2827

**Attorney Docket No.:** 3846.2US  
(98-0796.02/US)

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail (under 37 C.F.R. § 1.8(a)) on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231.

June 5, 2003  
Date of Deposit

Signature of registered practitioner or other person  
having reasonable basis to expect mailing to occur  
on date of deposit shown pursuant to 37 C.F.R. §  
1.8(a)(1)(ii)

Deidra Pfeil  
Typed/printed name of person whose signature is  
contained above

**RESPONSE TO ELECTION OF SPECIES REQUIREMENT**

Box Non-Fee Amendment  
Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

This communication is in response to the Election Of Species Requirement that was mailed on January 14, 2003, and, further, in response to the Office communication dated May 20, 2003, the initial period for response to which is set to expire on June 20, 2003.

**REMARKS**

The Election of Species Requirement of January 14, 2003, and the Office communication of May 20, 2003, have been received and reviewed. Claims 1-34 are currently pending in the above-referenced application and are all subject to the Election of Species Requirement.

**Information Disclosure Statement**

Please note that an Information Disclosure Statement was filed in the above-referenced application on September 11, 2001, but that an initialed copy of the PTO-1449 that accompanied that Information Disclosure Statement has not yet been returned to the undersigned attorney. It is respectfully requested that the information cited on the PTO-1449 be considered and made of record in the above-referenced application and that an initialed copy of the PTO-1449 that evidences the same be returned to the undersigned attorney.

**Election of Species Requirement**

As noted above, claims 1-34 of the above-referenced application are subject to an election of species requirement. The Office has identified two groups of species of invention. The first group includes the following species:

- 1) defining at least one aperture through a preformed polymeric film before positioning the preformed polymeric film over a semiconductor device;
- 2) defining at least one aperture through a preformed polymeric film while (*i.e.*, simultaneously with) positioning the preformed polymeric film over a semiconductor device; and
- 3) defining at least one aperture through a preformed polymeric film after the preformed polymeric film has been positioned over a semiconductor device.

The second group includes the following species:

- 1) introducing conductive material into at least one aperture of a preformed polymeric film by chemical vapor depositing or physical vapor depositing; and

2) introducing conductive material into at least one aperture of a preformed polymeric film in the form of a preformed conductive structure.

It is respectfully submitted that the first species of the second group, which includes chemical vapor depositing or physical vapor depositing into the at least one aperture, might also include other known deposition techniques, such as electrolytic, electroless, or immersion plating processes, and the like.

An election is hereby made, without traverse, to prosecute the first species of the first group; *i.e.*, defining at least one aperture through a preformed polymeric film before positioning the preformed polymeric film over a semiconductor device and to prosecute the first species of the second group; *i.e.*, depositing conductive material into the at least one aperture.

It is respectfully submitted that each of claims 1-3, 5-10, and 12-22 reads on the elected species of the first group of inventions, with claim 1 being the most generic claim of the species.

It is also respectfully submitted that each of claims 1-8, 10-22, and 23-34 reads on the elected species of the second group, with claim 1 being the most generic claim of the species.

It is further submitted that claim 1 is generic to each of the three species that have been identified by the Office in the first group, as well as to both of the species that have been identified by the Office in the second group. In the event that claim 1 is found to be allowable and remains generic to each of the identified species, it is respectfully submitted that claims 4, 11, and 23-34, which read on the third species of the first group, and claim 9, which reads on the second species of the second group, must also be allowed.

Serial No. 09/832,160

An early action on the merits of claims 1-3, 5-8, 10, and 12-22 is respectfully solicited.

Respectfully submitted,



Brick G. Power  
Registration No. 38,581  
Attorney for Applicants  
TRASKBRITT, PC  
P. O. Box 2550  
Salt Lake City, Utah 84110-2550  
Telephone: (801) 532-1922

Date: June 5, 2003

BGP/sls:djp

N:\2269\3846.2\Second Election of Species.wpd